1	METHODS	31	.Cylinder or cylinder portion
2	WITH SIGNAL, INDICATOR OR		moved linearly and radially
_	TRANSPARENT INSPECTION MEANS	32	SELF-ACTING UNIDIRECTIONAL FLOW
3	DIVERSE ROTARY EXPANSIBLE CHAMBER		WITH REVERSE ROTATION OR
J	DEVICES		REVERSE FLOW WITH
4	WORKING MEMBER OR CYLINDER		UNIDIRECTIONAL ROTATION
7	SURFACE HAS ALTERNATE LINEAR	33	INTERMITTENTLY ACCELERATED AND
	AND CURVILINEAR MOVEMENT		RECEDING MEMBERS ROTATE IN
			SAME PATH (ALTERNATING PISTON
Е	(E.G., ENDLESS)		TYPE)
5	MULTISTAGE	34	.Moving cylinder
6	One working chamber stage	35	.Each a working member
_	encircles another	36	Working member movement
7	.Successive stages alternately		controlled by interengaging
	produce work		rotating members
8	.Working fluid engages working	37	Working member movement
	member serially in	57	controlled by member rotating
	circumferentially spaced		about parallel axis
	working chambers	38	Cam controlled working member
9	.Interengaging rotary members	30	5
10	Three or more	2.0	movement
11	.Sliding abutment	39	CONVERTIBLE OR CHANGEABLE BY
12	.Swinging abutment	4.0	ASSEMBLY OR DISASSEMBLY
13	.Sliding vane	40	SPEED CONTROLLED
14	WITH DELAYED LOAD	41	.Rotating weight valves working
15	WITH PLURAL WORKING FLUID INLET		fluid passage
_	OR OUTLET PASSAGES	42	.Rotating weight positioned on or
16	WITH CHANGEABLE WORKING CHAMBER		within inner rotating member
	MAGNITUDE	43	.Weight rotates about axially
17	.Speed controlled		extending axis
18	.Intermittently accelerated and	44	Other than working member axis
10	receding members rotate in	45	COLLAPSIBLE PROGRESSIVELY
	same path (alternating piston		DEFORMED WORKING CHAMBER WALL
	type)	46	WITH REMOVAL OR ACCOMMODATION OF
19			SOLID FOREIGN MATERIAL IN
	.Intermeshing rotary members		WORKING FLUID
20	Three or more	47	.With filter
21	Movable member moved axially	48	UNLIKE HELICAL SURFACES ON
22	.Axially or radially spaced		RELATIVELY WOBBLING ROTATING
	working chambers		MEMBER AND ENCOMPASSING
23	.By adjustably limiting vane or		CYLINDER (E.G., MOINEAU TYPE)
	abutment movement	49	NUTATING WORKING MEMBER
24	.Spring or fluid biased movable	50	.Non-metallic working member or
	member	30	working chamber portion
25	Positively biased in opposite	51	.With mechanical sealing
	directions	52	
26	With working fluid bias	54	.Working member common to plural
27	Spring	F 2	working chambers
28	.By axial movement of movable	53	Axially spaced working chambers
	member	54	WORKING MEMBER HAS PLANETARY OR
29	.Rotating inner working or		PLANETATING MOVEMENT
-	reacting member repositioned	55.1	.Helical working member, e.g.,
	relative to cylinder		scroll
30	.By cylinder or cylinder portion	55.2	Having specific wrap or end
<i>3</i>	pivotal movement		plate, e.g., shape, material,
	PIVOCAI MOVEMENT		coating

55.3	With specific rotation	78	.Working fluid portion fills
	preventing or rotation		intertooth spaces or spaces
	coupling means		between adjacent vanes
55.4	With mechanical sealing	79	.Radial groove
55.5	With biasing means, e.g., axial	80	.Radially spaced grooves
	or radial	81	.Annular groove or recess
55.6	With lubricant, liquid seal or		completely encircles rotation
	nonworking fluid separation		axis
56	.Non-metallic working member,	82	.Groove communicates with vane
	cylinder or partition	-	slot
57	.Adjustable or resiliently biased	83	HEAT EXCHANGE OR NON-WORKING
57	working member	03	FLUID LUBRICATING OR SEALING
58	.Plural working members or	84	.With condition responsive
30	chambers	01	control of non-working fluid
59		85	.With heat exchange means for
59	Radially spaced working	65	_
C 0	chambers	0.0	non-working fluid
60	Axially spaced working members	86	.Heat exchange by diverted
61.1	Circumferentially spaced		incoming or outgoing working
	working chambers	0.5	fluid
61.2	Rotor has one more lobe than	87	.Valve regulated non-working
	cylinder (i.e., Wankel type)		fluid
61.3	Rotor has one less lobe than	88	.With pump for non-working fluid
	cylinder (i.e., Gerotor type)	89	.With filter for non-working
62	.Partition pivotally connected to		fluid
	working member and cylinder	90	.Wick or absorbent material feed
63	.With relatively movable	91	.Non-working fluid passage in
	partition member		inner working or reacting
64	Slidable in working member		member
65	Having working fluid passage	92	With non-working fluid passage
66	Integral with working member		in partition
67	Pivoted to working member	93	Non-working fluid biases vane
68	ROTATING INTERNAL MEMBER ROTATES	94	With non-working fluid passage
	AND OSCILLATES OR RECIPROCATES		in drive shaft
69	WITH FRANGIBLE DRIVE CONNECTION	95	.Vent or non-seal means prevents
	OR CLUTCH		working and non-working fluid
70	WITH RAPID DISASSEMBLY FEATURE		intermix
70	(I.E., WITHOUT TOOLS)	96	.Outer cylinder member immersed
71	PRESSURE FLUID RADIALLY BALANCES		or submerged in non-working
/ 1	WORKING OR ROTATING ABUTMENT		fluid
	MEMBER	97	.Non-working and working fluids
72	.With counterbalancing fluid		intermix in working chamber
1 4		98	Non-working fluid initially
	passage through rotating	70	directed to shaft bearing
72	member	99	Non-working fluid initially
73	.Counterbalancing fluid directed))	directed to working member
	to rotating member shaft	100	
	bearing	100	.Intermixed incoming working and
74	.Counterbalancing fluid directed	1 0 1	non-working fluids
	to intertooth spaces or spaces	101	.With coolant air impelling means
	between adjacent vanes	1.00	or finned cylinder surface
75	GROOVED ABUTTING CYLINDER-	102	SHAFT OR TRUNNION LUBRICATION OR
	ROTATING MEMBER END SURFACES		SEALING BY DIVERTED WORKING
76	.Non-working fluid directed to		FLUID PORTION
	groove		
77	.Grooved working member surface		

103	WODELING MEMBED DEDITIONAL GUDENCE	134	Addingtoble and real
103	WORKING MEMBER PERIPHERAL SURFACE COMPRISES RELATIVELY	134	Adjustable end wall
	CIRCUMFERENTIALLY MOVABLE	136	Spring biased .Seal element between working
	SEGMENTS	130	member and vane
104	WITH MECHANICAL SEALING	137	Mounted on working member
105	.Abutment position adjustment	138	Oscillating
106	.Vane position adjustment	139	.Seal element between abutment
107	.By changing working member or		and cylinder or working member
	cylinder relative position	140	.Seal element between working
108	Radially adjustable		member and cylinder
109	Adjustable working member	141	Labyrinth
110	.By axially relatively moving	142	On working member
	working member sections	143	On working member
111	.By axially relatively moving		circumferential periphery
	vane or abutment sections	144	Between adjacent cylinder and
112	.Seal on working member periphery		working member sides
	separates inlet and outlet	145	.Seal element between vane and
	ports		cylinder
113	Seal on working member	146	On vane side
	peripheral projection engages	147	Movable seal on vane
	cylinder working chamber	148	Positively urged to engage
114	surface (e.g., apex seals)		cylinder
114	Adjustable or expandable	149	.Seal element between stationary
115	peripheral projection		cylinder parts
115	Weight balanced or adjustable	150	WORKING CHAMBER SURFACE EXPRESSED
116	seal		MATHEMATICALLY
110	Ring seal or arcuate seal portion	151	WEIGHT BALANCED WORKING MEMBER OR
110	-		PARTITION
117		1 - 0	
117	With plural circumferentially spaced peripheral seals	152	NON-METALLIC WORKING MEMBER,
	spaced peripheral seals		CYLINDER OR PARTITION
118	spaced peripheral sealsSwinging seal	153	CYLINDER OR PARTITION .Resilient
	spaced peripheral sealsSwinging sealIntegral peripheral and		CYLINDER OR PARTITION .ResilientPartition integral with working
118	<pre>spaced peripheral sealsSwinging sealIntegral peripheral and depending side seal</pre>	153 154	CYLINDER OR PARTITION .ResilientPartition integral with working member
118 119	spaced peripheral sealsSwinging sealIntegral peripheral and	153	CYLINDER OR PARTITION .Resilient Partition integral with working member Extending from working member
118 119 120	<pre>spaced peripheral sealsSwinging sealIntegral peripheral and depending side sealWith axially movable side seal</pre>	153 154 155	CYLINDER OR PARTITION .Resilient Partition integral with working member Extending from working member side
118 119 120 121	<pre>spaced peripheral sealsSwinging sealIntegral peripheral and depending side sealWith axially movable side sealSpring biased</pre>	153 154	CYLINDER OR PARTITION .Resilient Partition integral with working member Extending from working member side RESILIENT WORKING MEMBER,
118 119 120 121 122	<pre>spaced peripheral sealsSwinging sealIntegral peripheral and depending side sealWith axially movable side sealSpring biasedSpring biased</pre>	153 154 155 156	CYLINDER OR PARTITION Resilient Partition integral with working member Extending from working member side RESILIENT WORKING MEMBER, CYLINDER OR PARTITION
118 119 120 121 122 123	spaced peripheral sealsSwinging sealIntegral peripheral and depending side sealWith axially movable side sealSpring biasedSpring biasedFluid biased	153 154 155	CYLINDER OR PARTITION .Resilient Partition integral with working member Extending from working member side RESILIENT WORKING MEMBER,
118 119 120 121 122 123 124	spaced peripheral sealsSwinging sealIntegral peripheral and depending side sealWith axially movable side sealSpring biasedSpring biasedFluid biasedFluid biased	153 154 155 156	CYLINDER OR PARTITION Resilient Partition integral with working member Extending from working member side RESILIENT WORKING MEMBER, CYLINDER OR PARTITION SHOCK OR PRESSURE RELIEVING
118 119 120 121 122 123 124 125	spaced peripheral sealsSwinging sealIntegral peripheral and depending side sealWith axially movable side sealSpring biasedSpring biasedFluid biasedFluid biasedFluid biasedFluid biased	153 154 155 156	CYLINDER OR PARTITION Resilient Partition integral with working member Extending from working member side RESILIENT WORKING MEMBER, CYLINDER OR PARTITION SHOCK OR PRESSURE RELIEVING YIELDABLE PERIPHERAL WORKING
118 119 120 121 122 123 124 125	spaced peripheral sealsSwinging sealIntegral peripheral and depending side sealWith axially movable side sealSpring biasedSpring biasedFluid biasedFluid biasedFluid biasedEngages plural rotary members	153 154 155 156	CYLINDER OR PARTITION Resilient Partition integral with working member Extending from working member side RESILIENT WORKING MEMBER, CYLINDER OR PARTITION SHOCK OR PRESSURE RELIEVING YIELDABLE PERIPHERAL WORKING MEMBER OR CYLINDER SURFACE
118 119 120 121 122 123 124 125	spaced peripheral sealsSwinging sealIntegral peripheral and depending side sealWith axially movable side sealSpring biasedSpring biasedFluid biasedFluid biasedFluid biasedFluid biasedEngages plural rotary membersEngages plural rotary membersAdjustable	153 154 155 156 157	CYLINDER OR PARTITION Resilient Partition integral with working member Extending from working member side RESILIENT WORKING MEMBER, CYLINDER OR PARTITION SHOCK OR PRESSURE RELIEVING YIELDABLE PERIPHERAL WORKING MEMBER OR CYLINDER SURFACE PORTION
118 119 120 121 122 123 124 125	spaced peripheral sealsSwinging sealIntegral peripheral and depending side sealWith axially movable side sealSpring biasedSpring biasedFluid biasedFluid biasedFluid biasedFluid biasedEngages plural rotary membersAdjustableWith resilient interposed	153 154 155 156 157	CYLINDER OR PARTITION Resilient Partition integral with working member Extending from working member side RESILIENT WORKING MEMBER, CYLINDER OR PARTITION SHOCK OR PRESSURE RELIEVING YIELDABLE PERIPHERAL WORKING MEMBER OR CYLINDER SURFACE PORTION MAGNETICALLY BIASED VANE OR
118 119 120 121 122 123 124 125	spaced peripheral sealsSwinging sealIntegral peripheral and depending side sealWith axially movable side sealSpring biasedSpring biasedFluid biasedFluid biasedFluid biasedFluid biasedEngages plural rotary membersAdjustableWith resilient interposed member	153 154 155 156 157	CYLINDER OR PARTITION Resilient Partition integral with working member Extending from working member side RESILIENT WORKING MEMBER, CYLINDER OR PARTITION SHOCK OR PRESSURE RELIEVING YIELDABLE PERIPHERAL WORKING MEMBER OR CYLINDER SURFACE PORTION MAGNETICALLY BIASED VANE OR ABUTMENT
118 119 120 121 122 123 124 125 126 127 128	spaced peripheral sealsSwinging sealIntegral peripheral and depending side sealWith axially movable side sealSpring biasedSpring biasedFluid biasedFluid biasedFluid brasedFluid brasedFluid brasedEal on cylinder engaging rotary member separates inlet and outlet portsEngages plural rotary membersAdjustableWith resilient interposed memberWith resilient biasing means	153 154 155 156 157	CYLINDER OR PARTITION Resilient Partition integral with working member Extending from working member side RESILIENT WORKING MEMBER, CYLINDER OR PARTITION SHOCK OR PRESSURE RELIEVING YIELDABLE PERIPHERAL WORKING MEMBER OR CYLINDER SURFACE PORTION MAGNETICALLY BIASED VANE OR ABUTMENT ADJUSTABLE WORKING CHAMBER PERIPHERAL WALL CONTROLS WORKING FLUID FLOW
118 119 120 121 122 123 124 125	spaced peripheral sealsSwinging sealIntegral peripheral and depending side sealWith axially movable side sealSpring biasedSpring biasedFluid biasedFluid biasedFluid brasedFluid brasedFluid brasedFluid biasedFluid biasedFluid biasedFluid biasedFluid biasedWith resparates inlet and outlet portsEngages plural rotary membersAdjustableWith resilient interposed memberWith resilient biasing means .Cup shaped cylinder axially	153 154 155 156 157 158 159	CYLINDER OR PARTITION Resilient Partition integral with working member Extending from working member side RESILIENT WORKING MEMBER, CYLINDER OR PARTITION SHOCK OR PRESSURE RELIEVING YIELDABLE PERIPHERAL WORKING MEMBER OR CYLINDER SURFACE PORTION MAGNETICALLY BIASED VANE OR ABUTMENT ADJUSTABLE WORKING CHAMBER PERIPHERAL WALL CONTROLS WORKING FLUID FLOW MOVING CYLINDER
118 119 120 121 122 123 124 125 126 127 128 129 130	spaced peripheral sealsSwinging sealIntegral peripheral and depending side sealWith axially movable side sealSpring biasedSpring biasedFluid biasedFluid biasedFluid biasedFluid biasedFluid biasedEngages plural rotary membersEngages plural rotary membersAdjustableWith resilient interposed memberWith resilient biasing means .Cup shaped cylinder axially movable to abut cylinder side	153 154 155 156 157 158 159	CYLINDER OR PARTITION Resilient Partition integral with working member Extending from working member side RESILIENT WORKING MEMBER, CYLINDER OR PARTITION SHOCK OR PRESSURE RELIEVING YIELDABLE PERIPHERAL WORKING MEMBER OR CYLINDER SURFACE PORTION MAGNETICALLY BIASED VANE OR ABUTMENT ADJUSTABLE WORKING CHAMBER PERIPHERAL WALL CONTROLS WORKING FLUID FLOW MOVING CYLINDER ROTATION
118 119 120 121 122 123 124 125 126 127 128	spaced peripheral sealsSwinging sealIntegral peripheral and depending side sealWith axially movable side sealSpring biasedSpring biasedFluid biasedFluid biasedFluid biasedFluid biasedEluid biasedEluid biasedEluid biasedWith resparates inlet and outlet portsEngages plural rotary membersAdjustableWith resilient interposed memberWith resilient biasing means .Cup shaped cylinder axially movable to abut cylinder side .Axially movable end wall or end	153 154 155 156 157 158 159	CYLINDER OR PARTITION Resilient Partition integral with working member Extending from working member side RESILIENT WORKING MEMBER, CYLINDER OR PARTITION SHOCK OR PRESSURE RELIEVING YIELDABLE PERIPHERAL WORKING MEMBER OR CYLINDER SURFACE PORTION MAGNETICALLY BIASED VANE OR ABUTMENT ADJUSTABLE WORKING CHAMBER PERIPHERAL WALL CONTROLS WORKING FLUID FLOW MOVING CYLINDER Rotating With axially movable partition
118 119 120 121 122 123 124 125 126 127 128 129 130	spaced peripheral sealsSwinging sealIntegral peripheral and depending side sealWith axially movable side sealSpring biasedSpring biasedFluid biasedFluid biasedFluid biasedFluid biasedEluid biasedEluid biasedEluid biasedWith resilient and outlet portsEngages plural rotary membersAdjustableWith resilient interposed memberWith resilient biasing means .Cup shaped cylinder axially movable to abut cylinder side .Axially movable end wall or end wall portion	153 154 155 156 157 158 159 160 161 162	CYLINDER OR PARTITION Resilient Partition integral with working member Extending from working member side RESILIENT WORKING MEMBER, CYLINDER OR PARTITION SHOCK OR PRESSURE RELIEVING YIELDABLE PERIPHERAL WORKING MEMBER OR CYLINDER SURFACE PORTION MAGNETICALLY BIASED VANE OR ABUTMENT ADJUSTABLE WORKING CHAMBER PERIPHERAL WALL CONTROLS WORKING FLUID FLOW MOVING CYLINDER Rotating With axially movable partition member
118 119 120 121 122 123 124 125 126 127 128 129 130	spaced peripheral sealsSwinging sealIntegral peripheral and depending side sealWith axially movable side sealSpring biasedSpring biasedFluid biasedFluid biasedFluid biasedFluid biasedEluid biasedEluid biasedEluid biasedWith resilient and outlet portsEngages plural rotary membersAdjustableWith resilient interposed memberWith resilient biasing means .Cup shaped cylinder axially movable to abut cylinder side .Axially movable end wall or end wall portionProgressively biased from inlet	153 154 155 156 157 158 159	CYLINDER OR PARTITION Resilient Partition integral with working member Extending from working member side RESILIENT WORKING MEMBER, CYLINDER OR PARTITION SHOCK OR PRESSURE RELIEVING YIELDABLE PERIPHERAL WORKING MEMBER OR CYLINDER SURFACE PORTION MAGNETICALLY BIASED VANE OR ABUTMENT ADJUSTABLE WORKING CHAMBER PERIPHERAL WALL CONTROLS WORKING FLUID FLOW MOVING CYLINDER Rotating With axially movable partition member CYLINDER and internal member
118 119 120 121 122 123 124 125 126 127 128 129 130 131	spaced peripheral sealsSwinging sealIntegral peripheral and depending side sealWith axially movable side sealSpring biasedSpring biasedFluid biasedFluid biasedFluid biasedFluid biasedFluid biasedEngages plural rotary membersEngages plural rotary membersAdjustableWith resilient interposed memberWith resilient biasing means .Cup shaped cylinder axially movable to abut cylinder side .Axially movable end wall or end wall portionProgressively biased from inlet to outlet	153 154 155 156 157 158 159 160 161 162 163	CYLINDER OR PARTITION Resilient Partition integral with working member Extending from working member side RESILIENT WORKING MEMBER, CYLINDER OR PARTITION SHOCK OR PRESSURE RELIEVING YIELDABLE PERIPHERAL WORKING MEMBER OR CYLINDER SURFACE PORTION MAGNETICALLY BIASED VANE OR ABUTMENT ADJUSTABLE WORKING CHAMBER PERIPHERAL WALL CONTROLS WORKING FLUID FLOW MOVING CYLINDER Rotating With axially movable partition member Cylinder and internal member rotate about non-parallel axes
118 119 120 121 122 123 124 125 126 127 128 129 130	spaced peripheral sealsSwinging sealIntegral peripheral and depending side sealWith axially movable side sealSpring biasedSpring biasedFluid biasedFluid biasedFluid biasedFluid biasedEngages plural rotary membersAdjustableWith resilient interposed memberWith resilient biasing means .Cup shaped cylinder axially movable to abut cylinder side .Axially movable end wall or end wall portionProgressively biased from inlet to outletSurface abutting working member	153 154 155 156 157 158 159 160 161 162 163 164	CYLINDER OR PARTITION Resilient Partition integral with working member Extending from working member side RESILIENT WORKING MEMBER, CYLINDER OR PARTITION SHOCK OR PRESSURE RELIEVING YIELDABLE PERIPHERAL WORKING MEMBER OR CYLINDER SURFACE PORTION MAGNETICALLY BIASED VANE OR ABUTMENT ADJUSTABLE WORKING CHAMBER PERIPHERAL WALL CONTROLS WORKING FLUID FLOW MOVING CYLINDER Rotating With axially movable partition member Cylinder and internal member rotate about non-parallel axes Rotary internal reacting member
118 119 120 121 122 123 124 125 126 127 128 129 130 131	spaced peripheral sealsSwinging sealIntegral peripheral and depending side sealWith axially movable side sealSpring biasedSpring biasedFluid biasedFluid biasedFluid biasedFluid biasedFluid biasedEngages plural rotary membersEngages plural rotary membersAdjustableWith resilient interposed memberWith resilient biasing means .Cup shaped cylinder axially movable to abut cylinder side .Axially movable end wall or end wall portionProgressively biased from inlet to outlet	153 154 155 156 157 158 159 160 161 162 163	CYLINDER OR PARTITION Resilient Partition integral with working member Extending from working member side RESILIENT WORKING MEMBER, CYLINDER OR PARTITION SHOCK OR PRESSURE RELIEVING YIELDABLE PERIPHERAL WORKING MEMBER OR CYLINDER SURFACE PORTION MAGNETICALLY BIASED VANE OR ABUTMENT ADJUSTABLE WORKING CHAMBER PERIPHERAL WALL CONTROLS WORKING FLUID FLOW MOVING CYLINDER Rotating With axially movable partition member Cylinder and internal member rotate about non-parallel axes

166	Intermeshing peripheral	200	With axially spaced working
	surfaces		members
167	With intake or exhaust	201.1	.Helical or herringbone
	passage in internal member	201.2	With valve
168	Cylinder periphery comprises	201.3	Having specific tooth shape
	alternate tooth and passage	202	Each member having opposed
	portions (e.g., cage type)		axially spaced helices
169	With filler element (e.g.,	203	Axially counterbalanced
	crescent)	204	.Eccentrically mounted
170	With filler element (e.g.,	205	Like rotary members
	crescent)	206.1	Having each radial protuberance
171	Inner member has five or more	200.1	of like dimension
± / ±	teeth	206.2	With timing gear adjustment or
172	With movable partition member	200.2	
173	Partition radially slidable	206.3	arrangement
175	in internal member		With heating or cooling
174	Partition radially slidable	206.4	Having specific inlet or
1/4	-	206 5	outlet port shape
175	in cylinder	206.5	Having specific rotor or tooth
175	Moving partition on stationary member	006	shape
176		206.6	With sealing means
	Swinging partition	206.7	With bearings
177	Sliding partition	206.8	With lubrication
178	WITH WEAR SURFACE TREATMENT OR	206.9	Using specific material
1.00	INTEGRALLY PLATED WEAR LAYER	207	RELATIVELY MOVING WORK
179	SPECIFIC MATERIAL		TRANSMITTING BARRIERS MOVE IN
180	APERTURED BYPASS TO PRESSURIZE OR		SEPARATE INTERSECTING CHAMBERS
	RELIEVE WORKING CHAMBER ZONE	208	MOVABLE INTERMEDIATE PARTITION
	OF INTERMEDIATE PRESSURE		ENGAGES PERIPHERIES OF PLURAL
101	G0177 T1177		
181	COMBINED		SPACED WORKING MEMBERS
181 182	RELATIVELY MOVABLE WORKING MEMBER	209	SPACED WORKING MEMBERS PLURAL WORKING CHAMBERS
182	RELATIVELY MOVABLE WORKING MEMBER AND DRIVE SHAFT AXES	209 210	SPACED WORKING MEMBERS PLURAL WORKING CHAMBERS .Axially spaced rotating members
_	RELATIVELY MOVABLE WORKING MEMBER AND DRIVE SHAFT AXES WITH SUPPLY OR EXHAUST PASSAGE IN	210	SPACED WORKING MEMBERS PLURAL WORKING CHAMBERS .Axially spaced rotating members rotate on common axis
182 183	RELATIVELY MOVABLE WORKING MEMBER AND DRIVE SHAFT AXES WITH SUPPLY OR EXHAUST PASSAGE IN WORKING MEMBER		SPACED WORKING MEMBERS PLURAL WORKING CHAMBERS .Axially spaced rotating members rotate on common axis With axially moving vane or
182 183 184	RELATIVELY MOVABLE WORKING MEMBER AND DRIVE SHAFT AXES WITH SUPPLY OR EXHAUST PASSAGE IN WORKING MEMBER .Passage includes vane slot	210 211	SPACED WORKING MEMBERS PLURAL WORKING CHAMBERS .Axially spaced rotating members rotate on common axisWith axially moving vane or abutment
182 183	RELATIVELY MOVABLE WORKING MEMBER AND DRIVE SHAFT AXES WITH SUPPLY OR EXHAUST PASSAGE IN WORKING MEMBER .Passage includes vane slot .Controlled by working member	210	SPACED WORKING MEMBERS PLURAL WORKING CHAMBERS .Axially spaced rotating members rotate on common axis With axially moving vane or
182 183 184 185	RELATIVELY MOVABLE WORKING MEMBER AND DRIVE SHAFT AXES WITH SUPPLY OR EXHAUST PASSAGE IN WORKING MEMBER .Passage includes vane slot .Controlled by working member carried valve	210 211	SPACED WORKING MEMBERS PLURAL WORKING CHAMBERS .Axially spaced rotating members rotate on common axis .With axially moving vane or abutment .Intermediate member separates and engages plural working
182 183 184	RELATIVELY MOVABLE WORKING MEMBER AND DRIVE SHAFT AXES WITH SUPPLY OR EXHAUST PASSAGE IN WORKING MEMBER .Passage includes vane slot .Controlled by working member carried valve .Supply and exhaust passages in	210 211 212	SPACED WORKING MEMBERS PLURAL WORKING CHAMBERS .Axially spaced rotating members rotate on common axis .With axially moving vane or abutment .Intermediate member separates and engages plural working members
182 183 184 185 186	RELATIVELY MOVABLE WORKING MEMBER AND DRIVE SHAFT AXES WITH SUPPLY OR EXHAUST PASSAGE IN WORKING MEMBER .Passage includes vane slot .Controlled by working member carried valve .Supply and exhaust passages in working member	210 211 212 213	SPACED WORKING MEMBERS PLURAL WORKING CHAMBERS .Axially spaced rotating members rotate on common axis .With axially moving vane or abutment .Intermediate member separates and engages plural working members Plural intermediate members
182 183 184 185	RELATIVELY MOVABLE WORKING MEMBER AND DRIVE SHAFT AXES WITH SUPPLY OR EXHAUST PASSAGE IN WORKING MEMBER .Passage includes vane slot .Controlled by working member carried valve .Supply and exhaust passages in working memberPassage extending through	210 211 212 213 214	SPACED WORKING MEMBERS PLURAL WORKING CHAMBERS .Axially spaced rotating members rotate on common axis .With axially moving vane or abutment .Intermediate member separates and engages plural working members Plural intermediate members Interconnected abutments
182 183 184 185 186	RELATIVELY MOVABLE WORKING MEMBER AND DRIVE SHAFT AXES WITH SUPPLY OR EXHAUST PASSAGE IN WORKING MEMBER .Passage includes vane slot .Controlled by working member carried valve .Supply and exhaust passages in working memberPassage extending through working member center of	210 211 212 213 214 215	SPACED WORKING MEMBERS PLURAL WORKING CHAMBERS .Axially spaced rotating members rotate on common axis .With axially moving vane or abutment .Intermediate member separates and engages plural working members Plural intermediate members Interconnected abutments .Axially spaced working chambers
182 183 184 185 186 187	RELATIVELY MOVABLE WORKING MEMBER AND DRIVE SHAFT AXES WITH SUPPLY OR EXHAUST PASSAGE IN WORKING MEMBER .Passage includes vane slot .Controlled by working member carried valve .Supply and exhaust passages in working memberPassage extending through working member center of rotation	210 211 212 213 214	SPACED WORKING MEMBERS PLURAL WORKING CHAMBERS .Axially spaced rotating members rotate on common axis .With axially moving vane or abutment .Intermediate member separates and engages plural working members Plural intermediate members Interconnected abutments
182 183 184 185 186	RELATIVELY MOVABLE WORKING MEMBER AND DRIVE SHAFT AXES WITH SUPPLY OR EXHAUST PASSAGE IN WORKING MEMBER .Passage includes vane slot .Controlled by working member carried valve .Supply and exhaust passages in working memberPassage extending through working member center of rotation .Supply or exhaust passage	210 211 212 213 214 215	SPACED WORKING MEMBERS PLURAL WORKING CHAMBERS .Axially spaced rotating members rotate on common axis .With axially moving vane or abutment .Intermediate member separates and engages plural working members Plural intermediate members Interconnected abutments .Axially spaced working chambers
182 183 184 185 186 187	RELATIVELY MOVABLE WORKING MEMBER AND DRIVE SHAFT AXES WITH SUPPLY OR EXHAUST PASSAGE IN WORKING MEMBER .Passage includes vane slot .Controlled by working member carried valve .Supply and exhaust passages in working memberPassage extending through working member center of rotation .Supply or exhaust passage through working member center	210 211 212 213 214 215	SPACED WORKING MEMBERS PLURAL WORKING CHAMBERS .Axially spaced rotating members rotate on common axis .With axially moving vane or abutment .Intermediate member separates and engages plural working members Plural intermediate members Interconnected abutments .Axially spaced working chambers Helical working member or
182 183 184 185 186 187	RELATIVELY MOVABLE WORKING MEMBER AND DRIVE SHAFT AXES WITH SUPPLY OR EXHAUST PASSAGE IN WORKING MEMBER .Passage includes vane slot .Controlled by working member carried valve .Supply and exhaust passages in working memberPassage extending through working member center of rotation .Supply or exhaust passage through working member center of rotation	210 211 212 213 214 215 216	SPACED WORKING MEMBERS PLURAL WORKING CHAMBERS .Axially spaced rotating members rotate on common axis .With axially moving vane or abutment .Intermediate member separates and engages plural working members Plural intermediate members Interconnected abutments .Axially spaced working chambers Helical working member or working member portion
182 183 184 185 186 187	RELATIVELY MOVABLE WORKING MEMBER AND DRIVE SHAFT AXES WITH SUPPLY OR EXHAUST PASSAGE IN WORKING MEMBER .Passage includes vane slot .Controlled by working member carried valve .Supply and exhaust passages in working memberPassage extending through working member center of rotation .Supply or exhaust passage through working member center of rotation TRAPPED FLUID RELIEF	210 211 212 213 214 215 216	SPACED WORKING MEMBERS PLURAL WORKING CHAMBERS .Axially spaced rotating members rotate on common axis .With axially moving vane or abutment .Intermediate member separates and engages plural working members Plural intermediate members Interconnected abutments .Axially spaced working chambers .Helical working member or working member portion .Axially moving abutment or vane
182 183 184 185 186 187 188	RELATIVELY MOVABLE WORKING MEMBER AND DRIVE SHAFT AXES WITH SUPPLY OR EXHAUST PASSAGE IN WORKING MEMBER .Passage includes vane slot .Controlled by working member carried valve .Supply and exhaust passages in working memberPassage extending through working member center of rotation .Supply or exhaust passage through working member center of rotation TRAPPED FLUID RELIEF .With tooth modification	210 211 212 213 214 215 216 217 218	SPACED WORKING MEMBERS PLURAL WORKING CHAMBERS .Axially spaced rotating members rotate on common axis .With axially moving vane or abutment .Intermediate member separates and engages plural working members Plural intermediate members Interconnected abutments .Axially spaced working chambers .Helical working member or working member portion .Axially moving abutment or vane Moving about non-parallel axis
182 183 184 185 186 187 188	RELATIVELY MOVABLE WORKING MEMBER AND DRIVE SHAFT AXES WITH SUPPLY OR EXHAUST PASSAGE IN WORKING MEMBER .Passage includes vane slot .Controlled by working member carried valve .Supply and exhaust passages in working memberPassage extending through working member center of rotation .Supply or exhaust passage through working member center of rotation TRAPPED FLUID RELIEF	210 211 212 213 214 215 216 217 218 219	SPACED WORKING MEMBERS PLURAL WORKING CHAMBERS .Axially spaced rotating members rotate on common axis .With axially moving vane or abutment .Intermediate member separates and engages plural working members Plural intermediate members Interconnected abutments .Axially spaced working chambers .Helical working member or working member portion .Axially moving abutment or vane Moving about non-parallel axis Vane
182 183 184 185 186 187 188	RELATIVELY MOVABLE WORKING MEMBER AND DRIVE SHAFT AXES WITH SUPPLY OR EXHAUST PASSAGE IN WORKING MEMBER .Passage includes vane slot .Controlled by working member carried valve .Supply and exhaust passages in working memberPassage extending through working member center of rotation .Supply or exhaust passage through working member center of rotation TRAPPED FLUID RELIEF .With tooth modification	210 211 212 213 214 215 216 217 218 219 220	SPACED WORKING MEMBERS PLURAL WORKING CHAMBERS Axially spaced rotating members rotate on common axis .With axially moving vane or abutment .Intermediate member separates and engages plural working members Plural intermediate members Interconnected abutments .Axially spaced working chambers .Helical working member or working member portion .Axially moving abutment or vane Moving about non-parallel axis Vane HELICAL WORKING MEMBER
182 183 184 185 186 187 188 189 190 191 192 193	RELATIVELY MOVABLE WORKING MEMBER AND DRIVE SHAFT AXES WITH SUPPLY OR EXHAUST PASSAGE IN WORKING MEMBER .Passage includes vane slot .Controlled by working member carried valve .Supply and exhaust passages in working memberPassage extending through working member center of rotation .Supply or exhaust passage through working member center of rotation TRAPPED FLUID RELIEF .With tooth modification INTERENGAGING ROTATING MEMBERS	210 211 212 213 214 215 216 217 218 219 220 221	SPACED WORKING MEMBERS PLURAL WORKING CHAMBERS .Axially spaced rotating members rotate on common axis .With axially moving vane or abutment .Intermediate member separates and engages plural working members Plural intermediate members Interconnected abutments .Axially spaced working chambers .Helical working member or working member portion .Axially moving abutment or vane Moving about non-parallel axis Vane HELICAL WORKING MEMBER MOVING ABUTMENT AND VANE
182 183 184 185 186 187 188	RELATIVELY MOVABLE WORKING MEMBER AND DRIVE SHAFT AXES WITH SUPPLY OR EXHAUST PASSAGE IN WORKING MEMBER .Passage includes vane slot .Controlled by working member carried valve .Supply and exhaust passages in working memberPassage extending through working member center of rotation .Supply or exhaust passage through working member center of rotation TRAPPED FLUID RELIEF .With tooth modification INTERENGAGING ROTATING MEMBERS .With movable partition	210 211 212 213 214 215 216 217 218 219 220 221 222	SPACED WORKING MEMBERS PLURAL WORKING CHAMBERS .Axially spaced rotating members rotate on common axis .With axially moving vane or abutment .Intermediate member separates and engages plural working members Plural intermediate members Interconnected abutments .Axially spaced working chambers .Helical working member or working member portion .Axially moving abutment or vane Moving about non-parallel axis Vane HELICAL WORKING MEMBER MOVING ABUTMENT AND VANE SEPARABLE ABUTMENT
182 183 184 185 186 187 188 189 190 191 192 193	RELATIVELY MOVABLE WORKING MEMBER AND DRIVE SHAFT AXES WITH SUPPLY OR EXHAUST PASSAGE IN WORKING MEMBER .Passage includes vane slot .Controlled by working member carried valve .Supply and exhaust passages in working memberPassage extending through working member center of rotation .Supply or exhaust passage through working member center of rotation TRAPPED FLUID RELIEF .With tooth modification INTERENGAGING ROTATING MEMBERS .With movable partitionAxially moving	210 211 212 213 214 215 216 217 218 219 220 221 222	SPACED WORKING MEMBERS PLURAL WORKING CHAMBERS .Axially spaced rotating members rotate on common axis .With axially moving vane or abutment .Intermediate member separates and engages plural working members Plural intermediate members Interconnected abutments .Axially spaced working chambers .Helical working member or working member portion .Axially moving abutment or vane Moving about non-parallel axis Vane HELICAL WORKING MEMBER MOVING ABUTMENT AND VANE SEPARABLE ABUTMENT WITH SECONDARY VANE OR ABUTMENT
182 183 184 185 186 187 188 189 190 191 192 193 194	RELATIVELY MOVABLE WORKING MEMBER AND DRIVE SHAFT AXES WITH SUPPLY OR EXHAUST PASSAGE IN WORKING MEMBER .Passage includes vane slot .Controlled by working member carried valve .Supply and exhaust passages in working memberPassage extending through working member center of rotation .Supply or exhaust passage through working member center of rotation TRAPPED FLUID RELIEF .With tooth modification INTERENGAGING ROTATING MEMBERS .With movable partitionAxially moving .Each tapered	210 211 212 213 214 215 216 217 218 219 220 221 222 223	SPACED WORKING MEMBERS PLURAL WORKING CHAMBERS .Axially spaced rotating members rotate on common axis .With axially moving vane or abutment .Intermediate member separates and engages plural working members Plural intermediate members Interconnected abutments .Axially spaced working chambers .Helical working member or working member portion .Axially moving abutment or vane Moving about non-parallel axis Vane HELICAL WORKING MEMBER MOVING ABUTMENT AND VANE SEPARABLE ABUTMENT WITH SECONDARY VANE OR ABUTMENT MOVING MEANS
182 183 184 185 186 187 188 189 190 191 192 193 194 195	RELATIVELY MOVABLE WORKING MEMBER AND DRIVE SHAFT AXES WITH SUPPLY OR EXHAUST PASSAGE IN WORKING MEMBER .Passage includes vane slot .Controlled by working member carried valve .Supply and exhaust passages in working memberPassage extending through working member center of rotation .Supply or exhaust passage through working member center of rotation TRAPPED FLUID RELIEF .With tooth modification INTERENGAGING ROTATING MEMBERS .With movable partitionAxially moving .Each tapered .Non-parallel axis	210 211 212 213 214 215 216 217 218 219 220 221 222 223	SPACED WORKING MEMBERS PLURAL WORKING CHAMBERS .Axially spaced rotating members rotate on common axis .With axially moving vane or abutment .Intermediate member separates and engages plural working members Plural intermediate members Interconnected abutments .Axially spaced working chambers .Helical working member or working member portion .Axially moving abutment or vane Moving about non-parallel axis Vane HELICAL WORKING MEMBER MOVING ABUTMENT AND VANE SEPARABLE ABUTMENT WITH SECONDARY VANE OR ABUTMENT MOVING MEANS VALVED VANE OR ABUTMENT
182 183 184 185 186 187 188 189 190 191 192 193 194 195 196	RELATIVELY MOVABLE WORKING MEMBER AND DRIVE SHAFT AXES WITH SUPPLY OR EXHAUST PASSAGE IN WORKING MEMBER .Passage includes vane slot .Controlled by working member carried valve .Supply and exhaust passages in working memberPassage extending through working member center of rotation .Supply or exhaust passage through working member center of rotation TRAPPED FLUID RELIEF .With tooth modification INTERENGAGING ROTATING MEMBERS .With movable partitionAxially moving .Each tapered .Non-parallel axis .Three or more	210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225	SPACED WORKING MEMBERS PLURAL WORKING CHAMBERS .Axially spaced rotating members rotate on common axis .With axially moving vane or abutment .Intermediate member separates and engages plural working members Plural intermediate members Interconnected abutments .Axially spaced working chambers .Helical working member or working member portion .Axially moving abutment or vane Moving about non-parallel axis Vane HELICAL WORKING MEMBER MOVING ABUTMENT AND VANE SEPARABLE ABUTMENT WITH SECONDARY VANE OR ABUTMENT MOVING MEANS VALVED VANE OR ABUTMENT VANE OR ABUTMENT COMPRISES ROTATABLE ELEMENT
182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197	RELATIVELY MOVABLE WORKING MEMBER AND DRIVE SHAFT AXES WITH SUPPLY OR EXHAUST PASSAGE IN WORKING MEMBER .Passage includes vane slot .Controlled by working member carried valve .Supply and exhaust passages in working memberPassage extending through working member center of rotation .Supply or exhaust passage through working member center of rotation TRAPPED FLUID RELIEF .With tooth modification INTERENGAGING ROTATING MEMBERS .With movable partitionAxially moving .Each tapered .Non-parallel axis .Three or moreHelical or herringbone	210 211 212 213 214 215 216 217 218 219 220 221 222 223	SPACED WORKING MEMBERS PLURAL WORKING CHAMBERS .Axially spaced rotating members rotate on common axis .With axially moving vane or abutment .Intermediate member separates and engages plural working members Plural intermediate members Interconnected abutments .Axially spaced working chambers .Helical working member or working member portion .Axially moving abutment or vane Moving about non-parallel axis Vane HELICAL WORKING MEMBER MOVING ABUTMENT AND VANE SEPARABLE ABUTMENT WITH SECONDARY VANE OR ABUTMENT MOVING MEANS VALVED VANE OR ABUTMENT

228	AXIALLY MOVING VANE OR ABUTMENT	269	Constantly interposed pressure
229	.Sliding		fluid spreads plural vanes
230	Positively biased	270	MISCELLANEOUS
231	In opposite directions		
232	Spring or fluid bias		
233	.Radially pivoted vane		
234	TAPERED VANE OR ABUTMENT (E.G.,	FOREIGN	ART COLLECTIONS
	WEDGE SHAPED)		
235	WEAR ELEMENTS OR ANTIFRICTION	FOR	CLASS-RELATED FOREIGN DOCUMENTS
	MEANS IN VANE OR ABUTMENT SLOT		
236	NON-RADIALLY POSITIONED SLIDING		
	VANE OR ABUTMENT		
237	.Arc shaped	DIGESTS	
238	.Positively biased	DIGESIS	
239	ALTERNATELY USABLE VANE OR	DTC 1	NON WODELING BLILD GEDARATION
	ABUTMENT STRUCTURE FOR REVERSE	DIG 1	NON-WORKING FLUID SEPARATION
	WORKING MEMBER ROTATION		
240	INTERCONNECTED ABUTMENTS		
241	ABUTMENT OR VANE HAS CONCURRENT		
	ROCKING AND RADIALLY SLIDING		
	MOVEMENT		
242	SPACED OSCILLATING ABUTMENT		
	PORTIONS ENGAGE WORKING MEMBER		
243	POSITIVELY ACTUATED ABUTMENT		
244	.Cam actuated		
245	In opposite directions		
246	Spring or fluid biased in		
	opposite direction		
247	.In opposite directions		
248	.Spring biased		
249	.Fluid biased		
250	Winged abutment		
251	With working fluid passage in		
	abutment		
252	WITH PROVISION FOR QUICK VANE		
	REPLACEMENT		
253	INTERCONNECTED VANES		
254	.Integrally connected		
255	Diametrically aligned		
256	.Encompassing moving member		
	interconnects plural vanes		
257	.Interposed movable member		
	interconnects plural vanes		
258	Spring		
259	POSITIVELY ACTUATED VANE		
260	.Cam actuated		
261	In opposite directions		
262	With pivoted interposed lever		
263	With spring or fluid bias		
264	With roller		
265	.In opposite directions		
266	.Spring biased		
267	With fluid bias		
268	.Fluid biased		
200	.I I did Didbed		